

IN THE CLAIMS:

Please amend the claims as follows:

1. *(currently amended)* A method for performing a lawful interception in a packet network, comprising ~~the steps of:~~

generating interception related information packets from a communication or network activity to be intercepted; and/or

generating communication content packets from said communication or network activity to be intercepted;

providing identification data for said interception related information packets and/or for said communication content packets of one group of communication packets;

providing ordering data for each of said interception related information data packets and/or for each of said communication content packets which are generated in the generating step; and

transmitting said interception related information packets, said communication packets, said identification data and said ordering data to an interception authority device.

2. *(currently amended)* The method according to claim 1, further comprising ~~the steps of:~~
using said identification data for identifying interception related information packets and for said communication content packets of said one group of communication packets; and

using said ordering data for ordering said interception related information packets and said communication content packets.

3. *(original)* The method according to claim 1, wherein said identification data is a session identification data.

4. *(currently amended)* The method according to claim 3, wherein said packet network is a GPRS-general packet radio system network and said session identification is data obtained from a PDP packet data protocol context in GPRSgeneral packet radio system.

5. *(original)* The method according to claim 1, wherein said ordering data are integer numbers which are incremented for each sequential packet.
6. *(currently amended)* The method according to claim 1, further comprising ~~the step of~~ providing a time stamp to each interception related information packet and/or to each communication content packet.
7. *(currently amended)* The method according to claim 1, further comprising ~~the step of~~ providing a frame for each interception related information packet and each communication content packet, in which said identification data and said ordering data is included.
8. *(currently amended)* The method according to claim 7, further comprising: ~~the steps of~~ providing a time stamp to each interception related information packet and/or to each communication content packet; and
arranging said time stamp in said frame.
9. *(currently amended)* The method according to claim 1, wherein said ordering data are such that an overflow thereof is possible, and
said method further comprises ~~the step of~~
providing a packet group indication to each interception related information packet and/or to each communication content packet for distinguishing between the group of packets before said overflow and the group of packets after said overflow.
10. *(currently amended)* An interception system for packet networks, comprising
at least one first network element for intercepting a communication; and
at least one interception authority device;
wherein said first network element comprises
a first packet ~~generating means~~generator for generating interception related information packets from a communication or network activity to be intercepted; and/or

a second packet ~~generating means~~generator for generating communication content packets from said communication or network activity to be intercepted;

an identification data ~~generating means~~generator for generating an identification data for said interception related information packets and/or said communication content packets associated to said communication;

an ordering data ~~generating means~~generator for providing ordering data for each of said interception related information data packets and/or each of said communication content packets which are generated by said first and/or second packet ~~generating means~~generator; and

a ~~transmitting mean~~transmitter for transmitting said interception related information packets and said communication content packets, said identification data and said ordering data to said interception authority device.

11. *(currently amended)* The system according to claim 10, wherein said interception authority device comprises:

a ~~receiving means~~receiver for receiving said interception related information packets and said communication content packets including said identification and said ordering data;

an identification ~~means~~detector for identifying interception related information packets and communication content packets associated to said one communication; and

a packet ordering ~~means~~unit for ordering said interception related information packets and/or said communication content packets according to said ordering data.

12. *(original)* The system according to claim 10, wherein said identification data is a session identification data.

13. *(currently amended)* The system according to claim 12, wherein said network is a GPRS general packet radio system network and said identification data ~~generating means~~generator of said first network element is adapted to detect said session identification data from a PDP packet data protocol context.

14. *(currently amended)* The system according to claim 10, wherein said ordering data are integer order numbers and said ordering data ~~generating means~~generator are adapted to increment the order number for each sequential packet.

15. *(currently amended)* The system according to claim 10, wherein said first network element further comprises:

a time stamp ~~generating means~~generator connected between said identification data ~~generating means~~generator and said ordering data ~~generating means~~generator, for providing a time stamp to each interception related information packet and/or to each communication content packet.

16. *(currently amended)* The system according to claim 10, wherein said first packet ~~generating means~~generator adapted to provide a frame for each interception related information packet and

said identification data ~~generating means~~generator is adapted to include said identification data in each frame, and

said second packet ~~generating means~~generator is ~~adapted~~ configured to provide a frame for each communication content packet and said identification data ~~generating means~~generator is ~~adapted~~ configured to include said ordering data in each frame.

17. *(currently amended)* The system according to claim 16, wherein said first network element further comprises

a time stamp ~~generating means~~generator for providing a time stamp to each interception related information packet and/or to each communication content packet, wherein

said time stamp ~~generating means~~generator is adapted to include said time stamp into each of said frames.

18. *(currently amended)* The system according to claim 10, further comprising

an interception related information packets delivering device for delivering said interception related information packets from said first network element to said interception authority device;

a communication content packets delivering device for delivering said communication content packets from said first network element to said interception authority device; and

a packet delivering control device;

wherein said packet delivering control device is ~~adapted~~ configured to identify said interception related information packets and said communication content packets associated to said one group of communication packets on the basis of said identification data, and to order said interception related information packets and said communication content packets on the basis of said ordering data.

19. *(currently amended)* The system according to claim 10, wherein said ordering data are such that an overflow thereof is possible, and

said system further comprises a packet group ~~distinguishing means~~ distinguisher for providing a packet group indication to each interception related information packet and/or to each communication content packet for distinguishing between the group of packets before said overflow and the group of packets after said overflow.

20. *(previously presented)* An apparatus for performing a lawful interception in a packet network, said apparatus comprising:

means for generating interception related information packets from a communication or network activity to be intercepted; and/or

means for generating communication content packets from said communication or network activity to be intercepted;

means for providing identification data for said interception related information packets and/or for said communication content packets of one group of communication packets;

means for providing ordering data for each of said interception related information data packets and/or for each of said communication content packets which are generated by said means for generating; and

means for transmitting said interception related information packets and/or said communication packets, said identification data and said ordering data.

21. *(previously presented)* The apparatus according to claim 20, wherein said means for transmitting transmits said interception related information packets and/or said communication packets, said identification data and said ordering data to an interception authority device.

22. *(previously presented)* The apparatus according to claim 20, wherein said apparatus is a network element.

23. *(currently amended)* The apparatus according to claim 22, wherein the network element is a SGSNserving general packet radio system support node.

24. *(currently amended)* The apparatus according to claim 22, wherein the network element is a GGSNgateway general packet radio system support node.

25. *(previously presented)* An apparatus for performing a lawful interception in a packet network, said apparatus comprising:

a detector which detects interception related information associated to the communication to be intercepted and creates data packets, in which said interception related information is included;

an identifier generator, which provides identification data for said interception related information packets;

an ordering device, which provides ordering data for each of said interception related information data packets which are generated by the detector; and

a transmitter, which transmits said interception related information packets, said identification data and said ordering data.

26. *(previously presented)* The apparatus according to claim 25, wherein said transmitter transmits interception related information packets, said identification data and said ordering data to an interception authority device.

27. *(previously presented)* The apparatus according to claim 25, wherein said apparatus is a network element.

28. *(currently amended)* The apparatus according to claim 27, wherein the network element is a ~~SGSN~~serving general packet radio system support node.

29. *(currently amended)* The apparatus according to claim 27, wherein the network element is a ~~GGSN~~gateway general packet radio system support node.

30. *(previously presented)* An apparatus for performing a lawful interception in a packet network, said apparatus comprising:

 a detector which detects interception communication contents of the communication to be intercepted and creates data packets, in which said communication contents are included;

 an identifier generator, which provides identification data for said communication content packets;

 an ordering device, which provides ordering data for each of said communication content data packets which are generated by the detector; and

 a transmitter, which transmits said communication content data packets, said identification data and said ordering data.

31. *(previously presented)* The apparatus according to claim 30, wherein said transmitter transmits said communication content data packets, said identification data and said ordering data to an interception authority device.

32. *(previously presented)* The apparatus according to claim 30, wherein said apparatus is a network element.

33. *(currently amended)* The apparatus according to claim 32, wherein the network element is a ~~SGSN~~serving general packet radio system support node.

34. *(currently amended)* The apparatus according to claim 32, wherein the network element is a ~~GGSN~~gateway general packet radio system support node.

35. *(previously presented)* An apparatus for performing a lawful interception in a packet network, said apparatus comprising:

 a receiver, which receives packets, comprising interception related information packets and/or communication packets, identification data and ordering data;

 an identifier detector, which detects the identifier data identifying packets that belongs to same intercepted communication; and

 an ordering device for ordering the received interception related information packets and/or communication packets based to the ordering data.

36. *(previously presented)* The apparatus according to claim 35, wherein said apparatus is a Law Enforcement Agency device.